

1/10

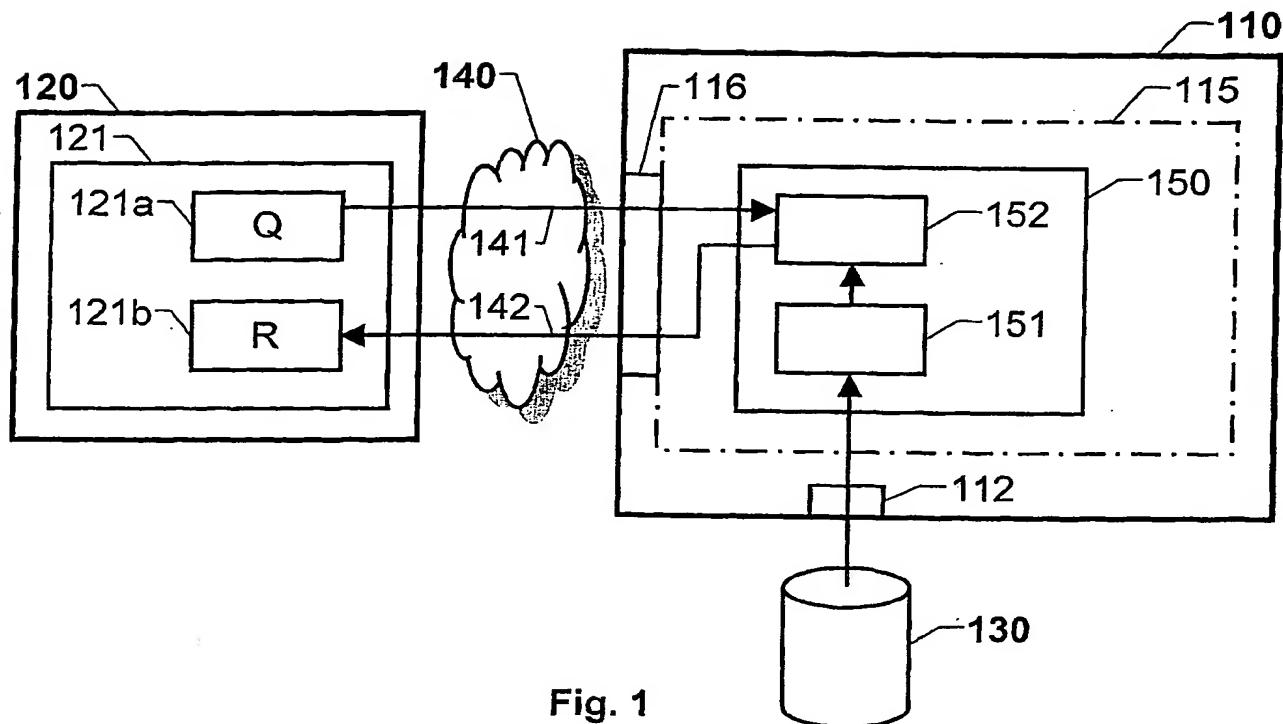


Fig. 1

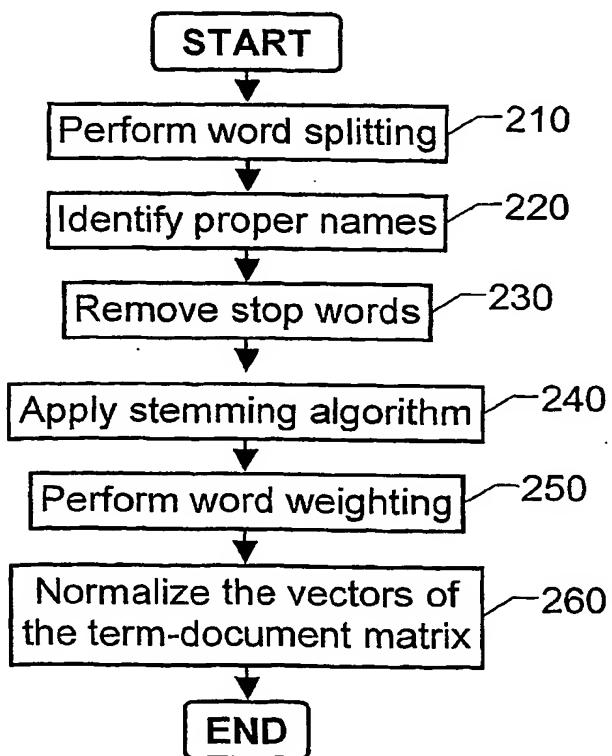


Fig. 2

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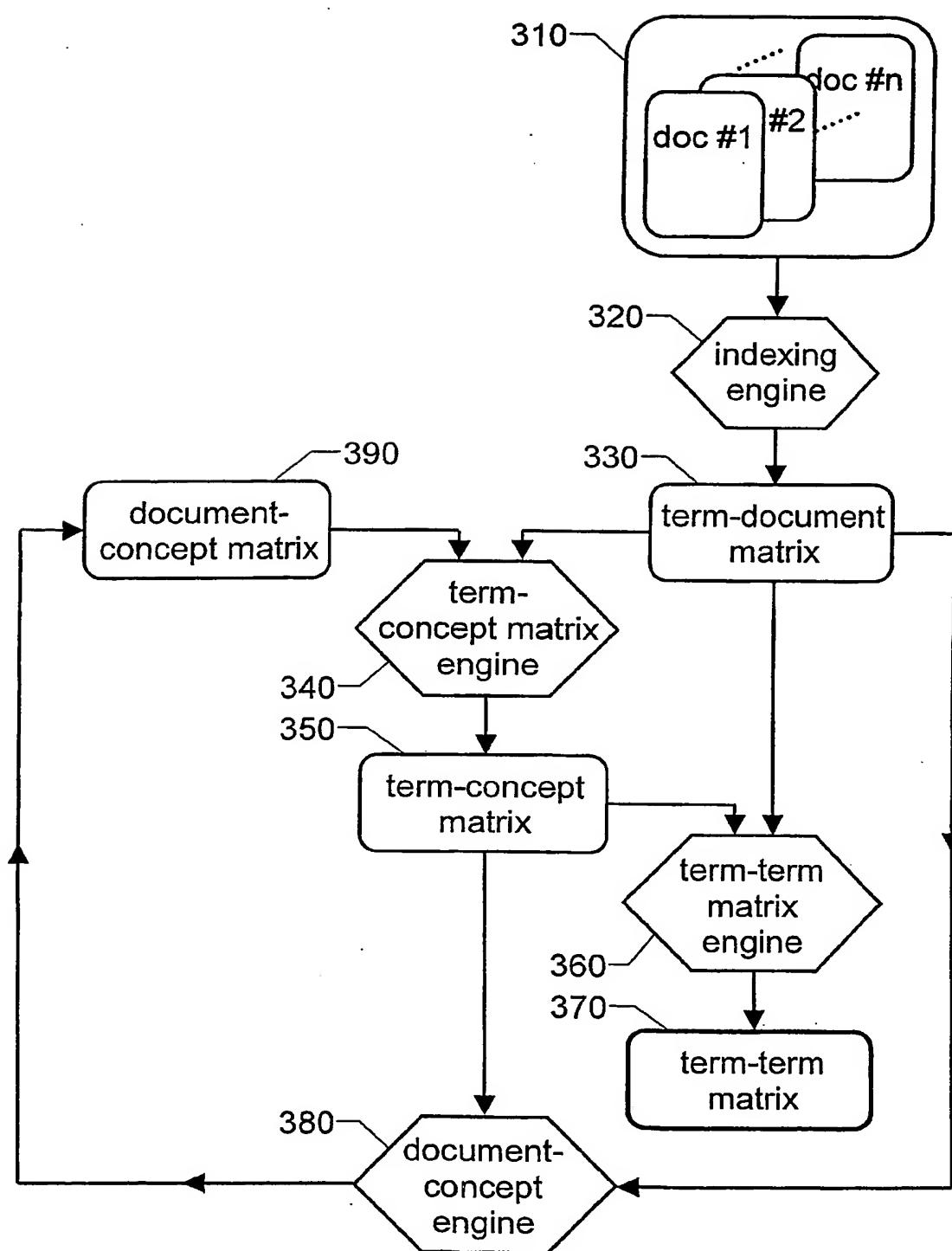


Fig. 3

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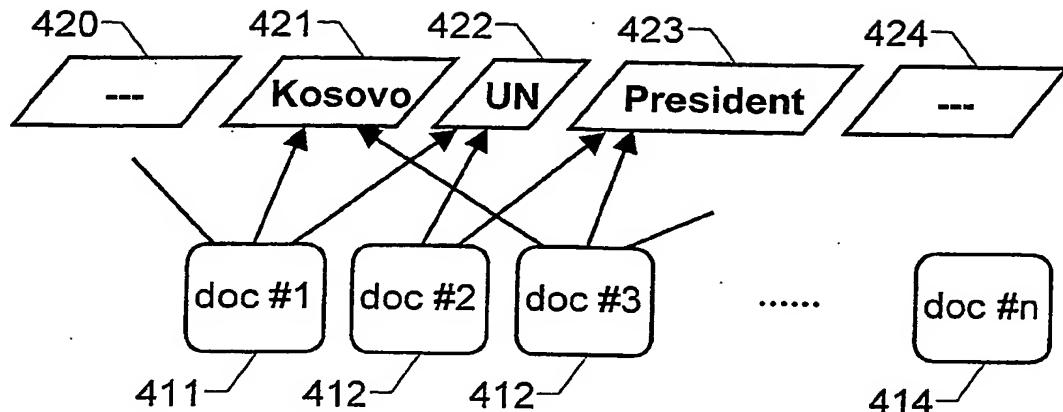


Fig. 4a

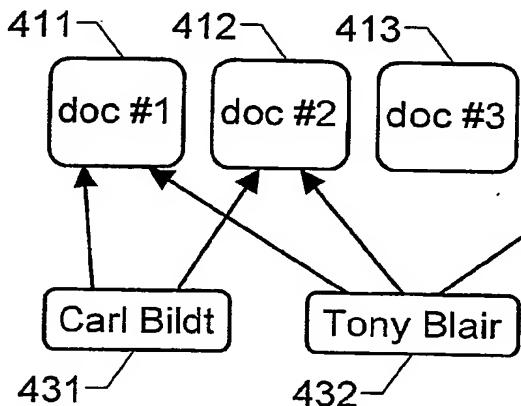


Fig. 4b

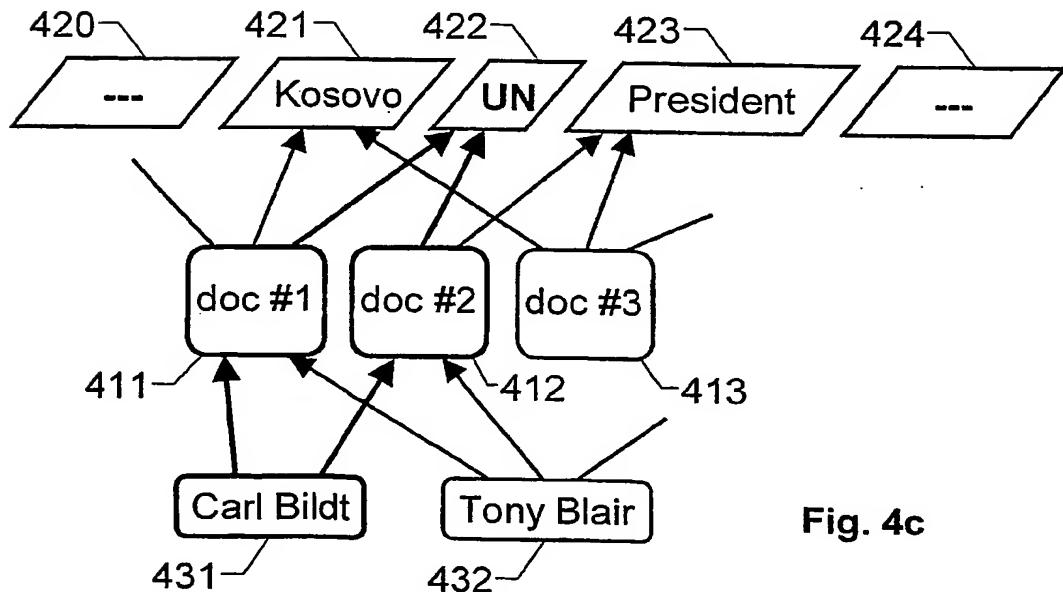


Fig. 4c

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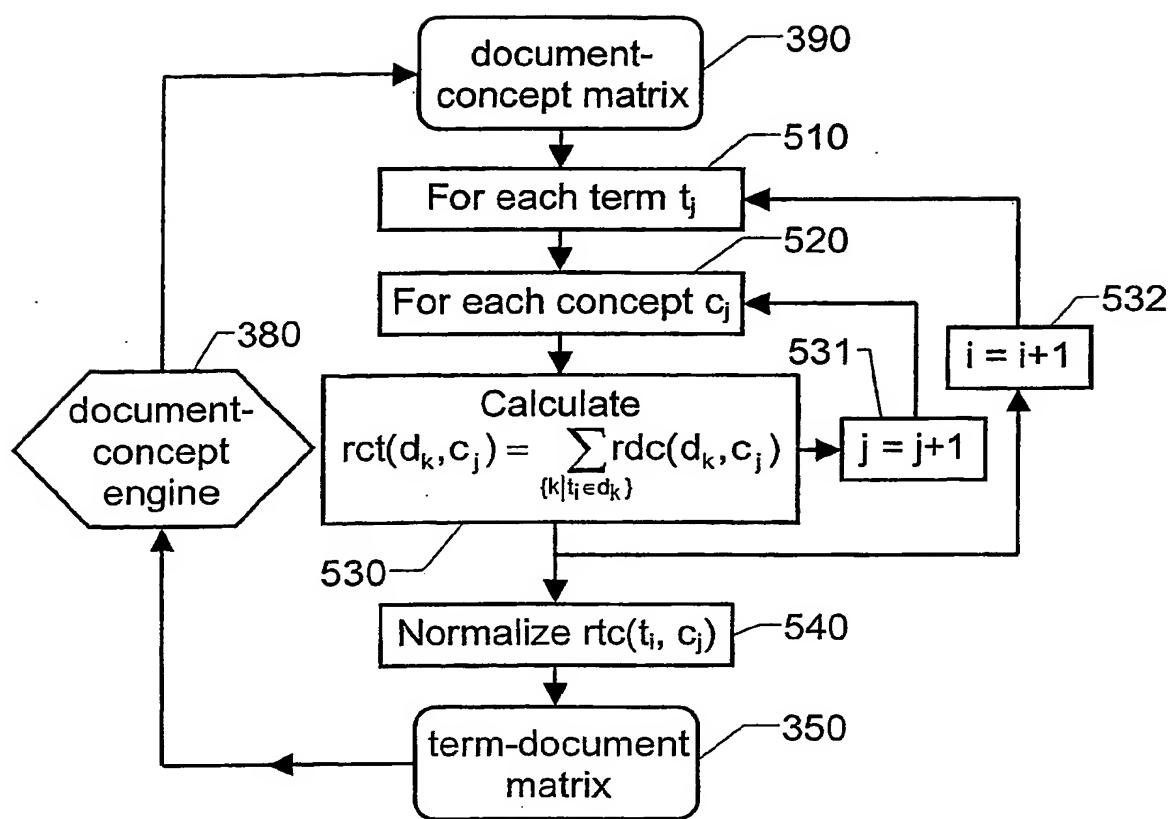


Fig. 5

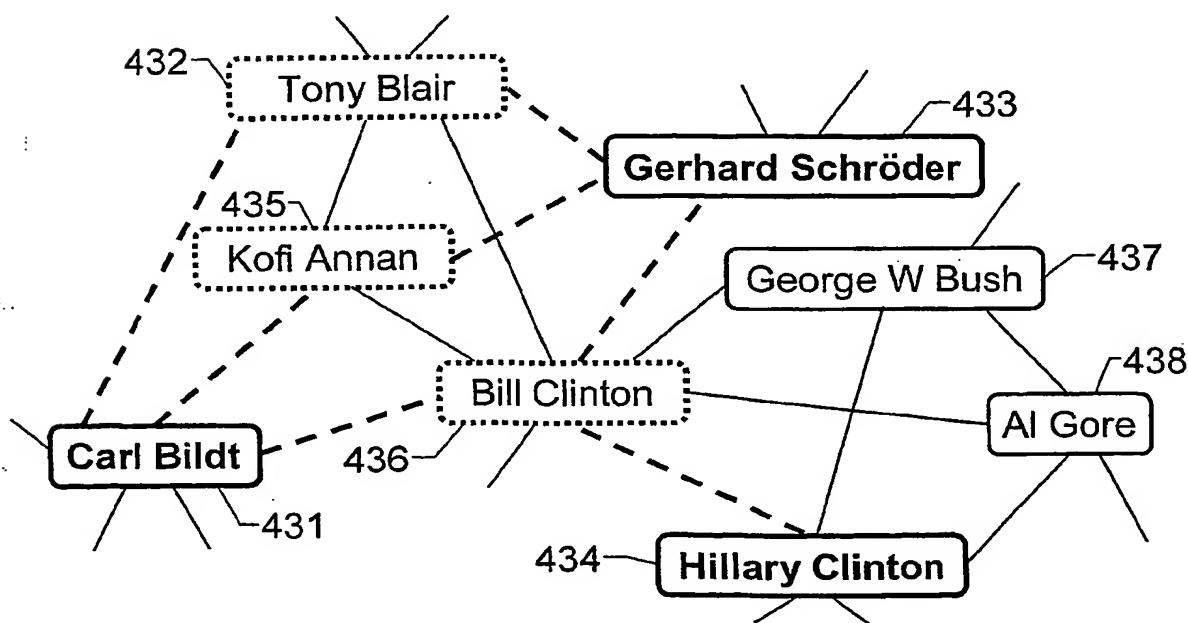


Fig. 12

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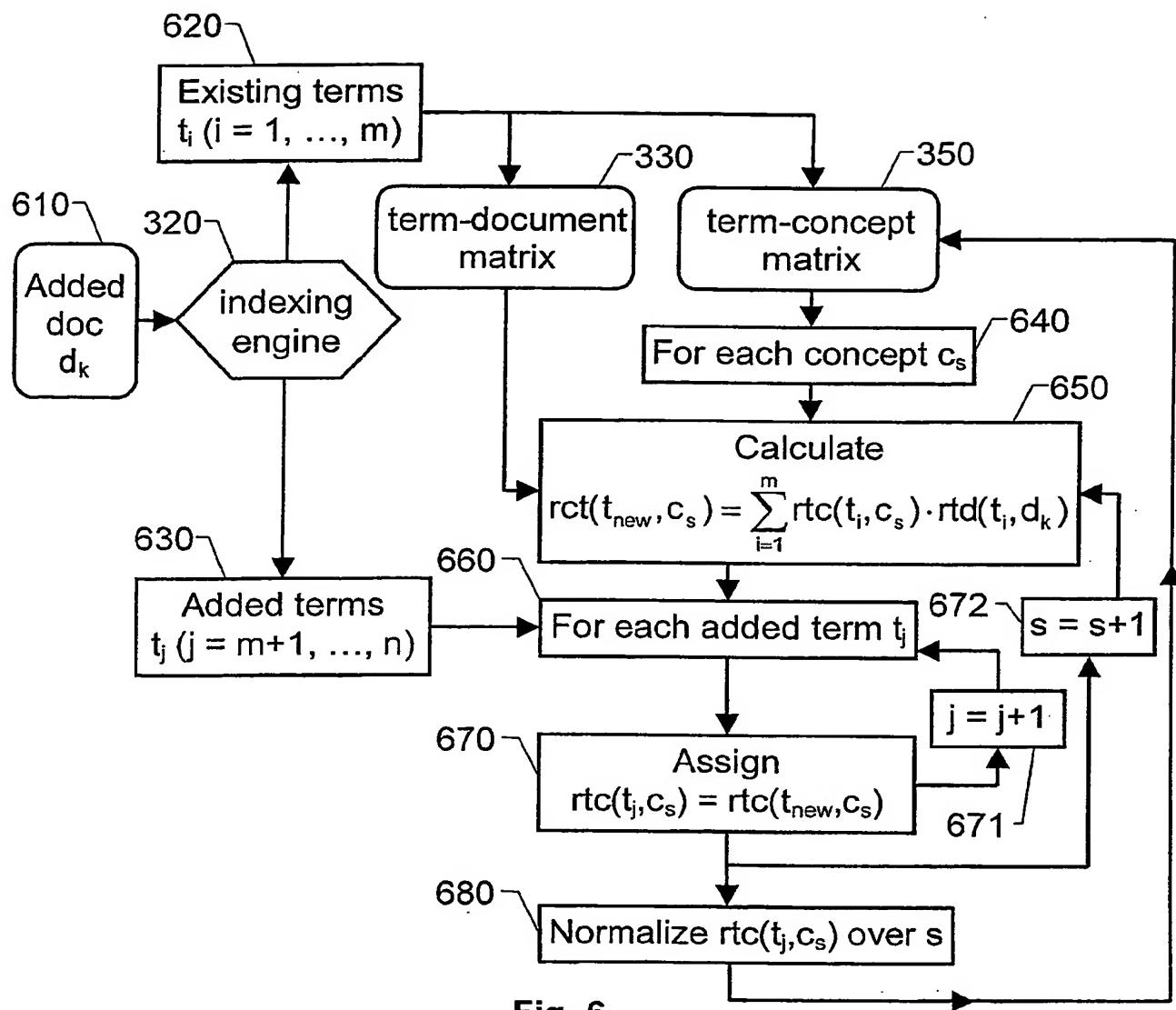


Fig. 6

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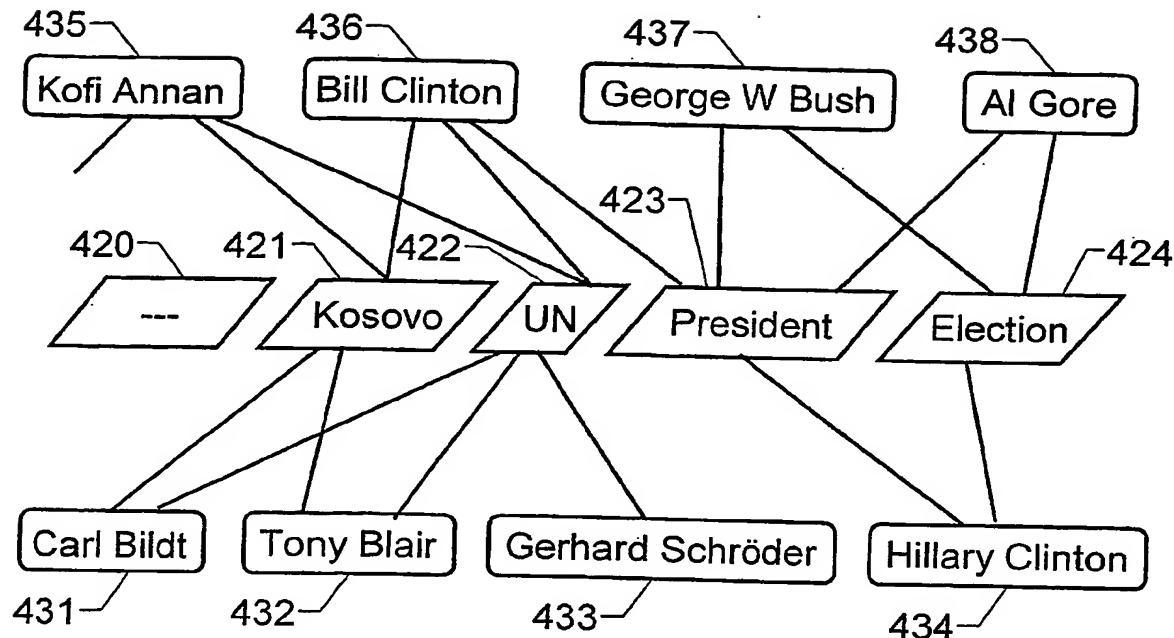


Fig. 7a

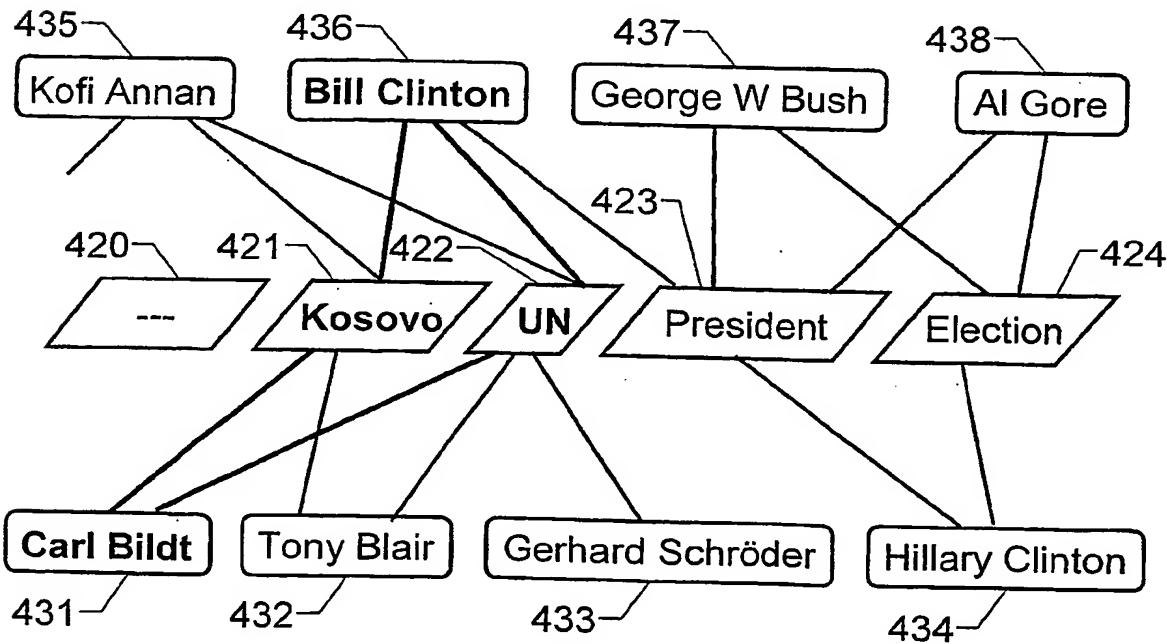


Fig. 7b

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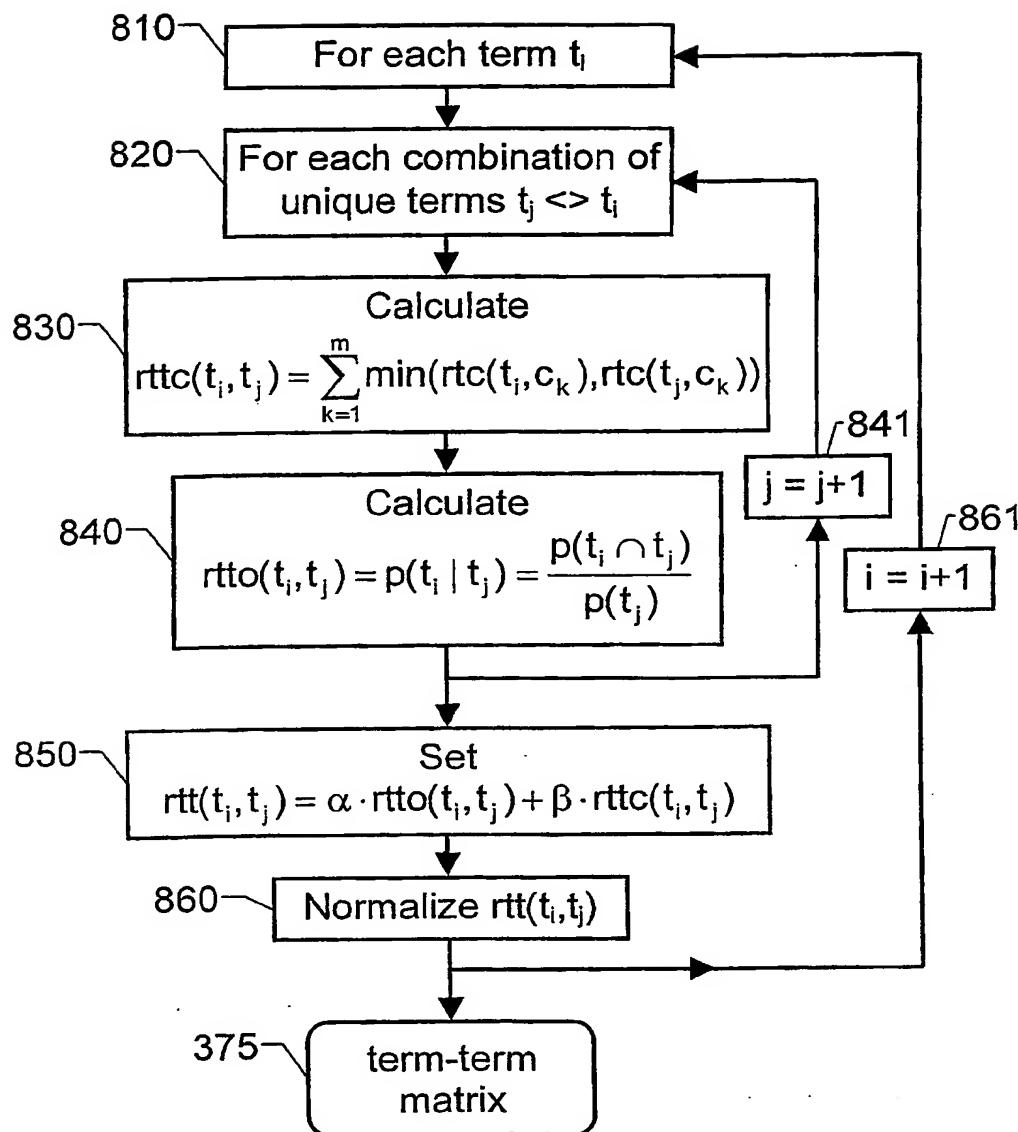


Fig. 8

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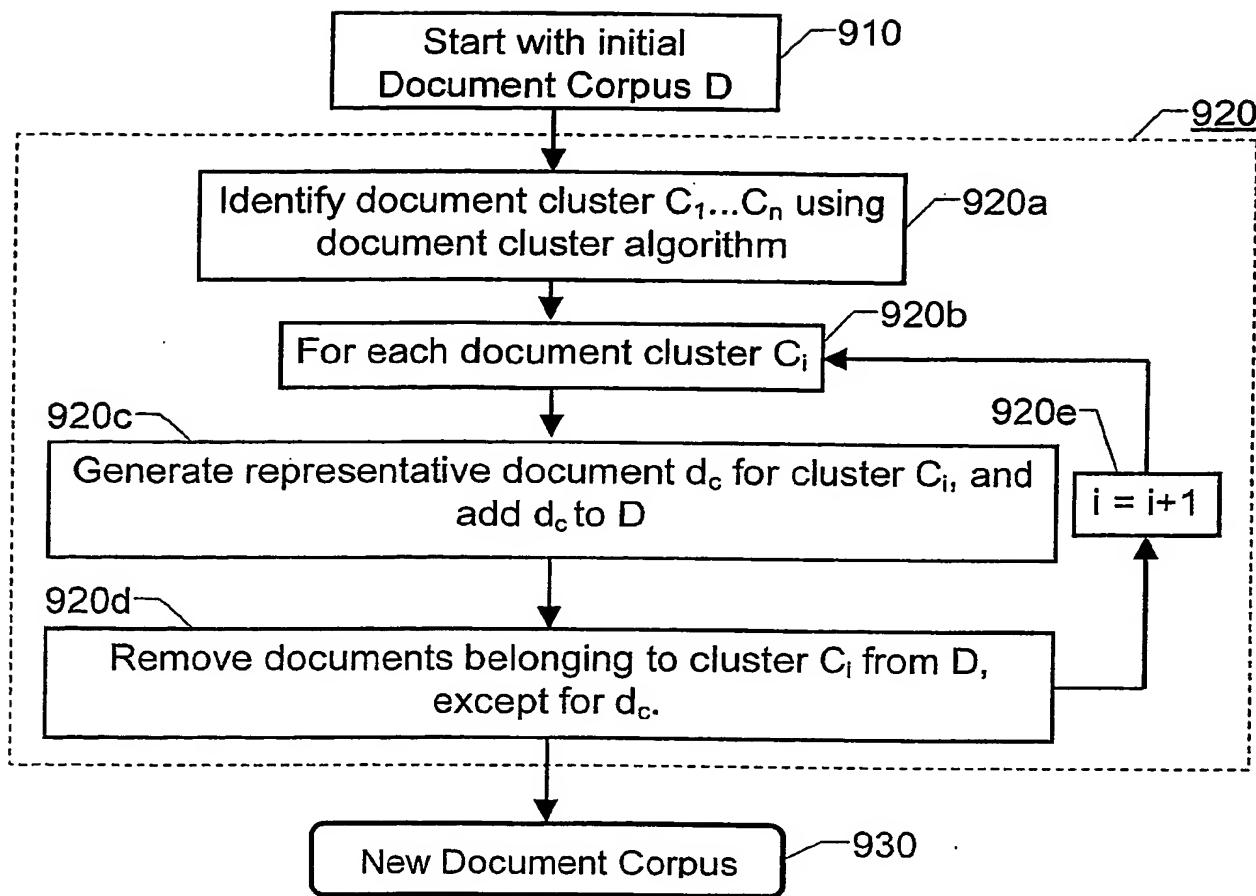


Fig. 9a

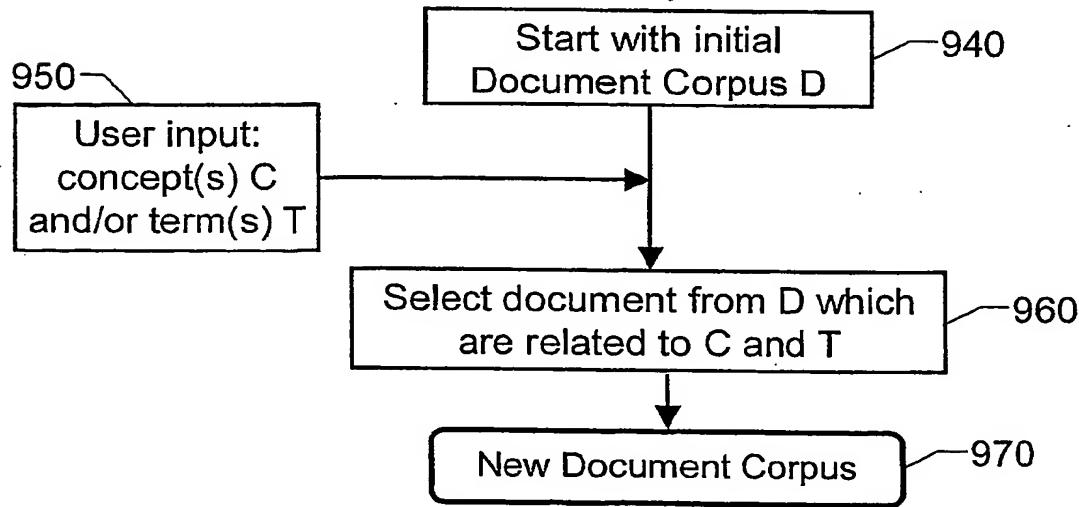
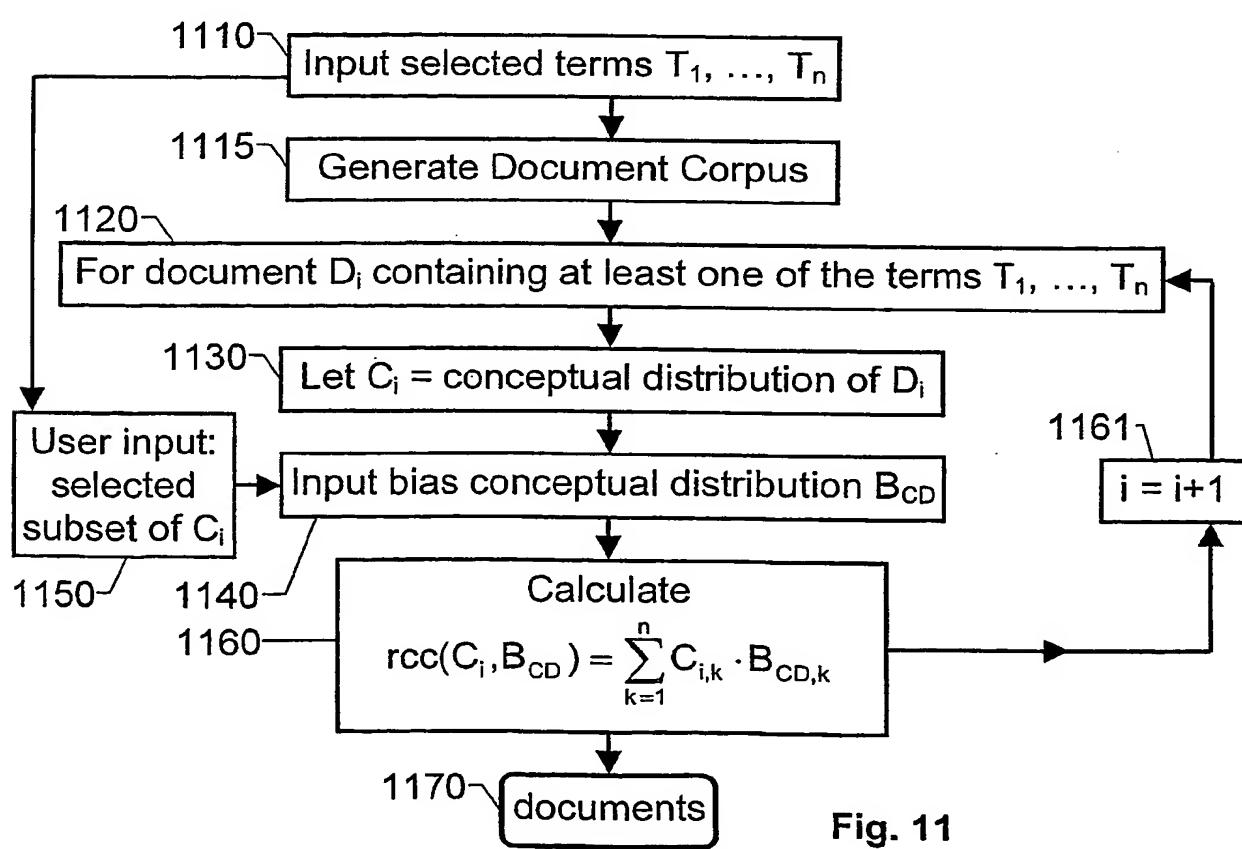
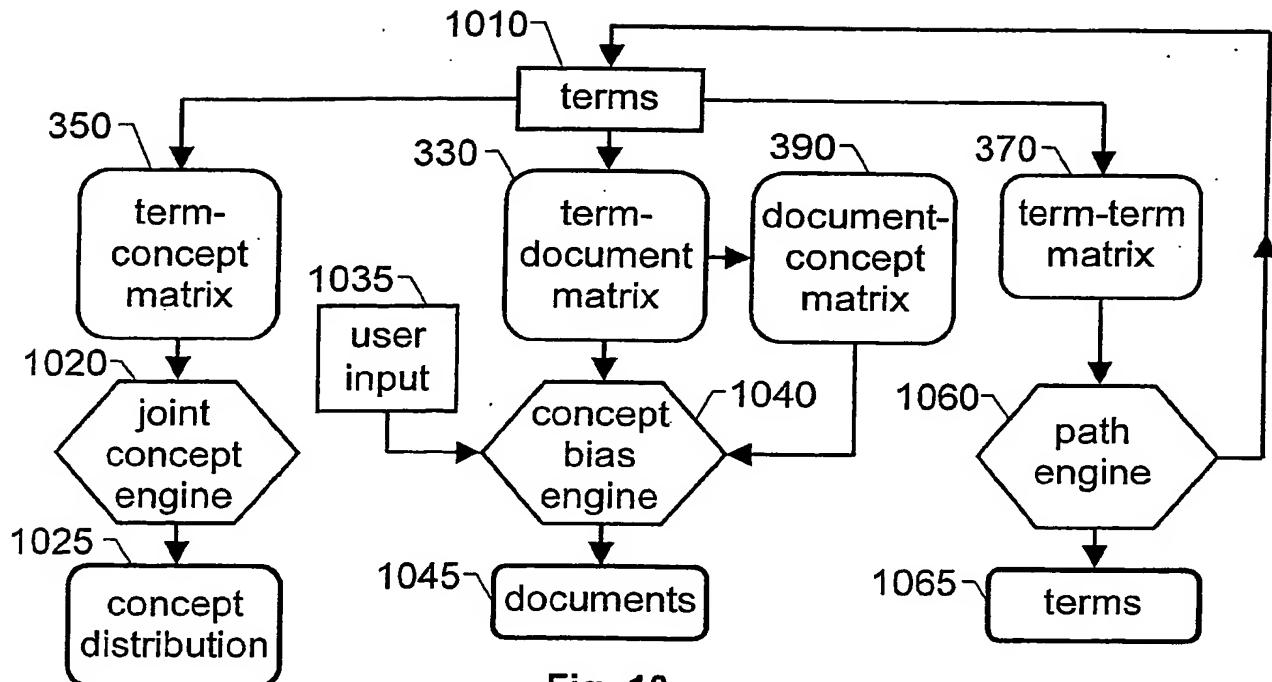
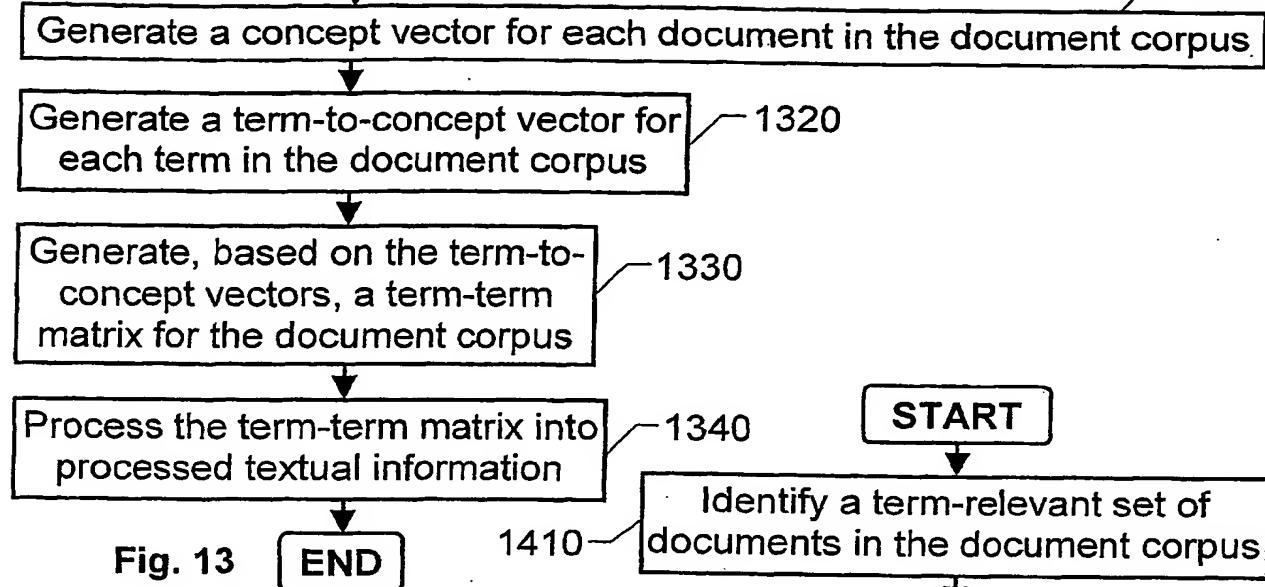


Fig. 9b

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1430 Retrieve a concept vector associated with each of document in the term-relevant set where term weight > threshold₁

1440 Select a relevant set of concept vectors where at least one concept component > threshold₂

1450 Calculate a non-normalized term-to-concept vector as the sum of all concept vectors in the relevant set

1510 Normalize

END

Fig. 14

1520 Generate a relation vector for each combination of two unique terms

1530 Generate a relationship value for each combination of two unique terms

1540 Generate a matrix of all relationship values

END

Fig. 15